METHOD, SYSTEM AND PROGRAM PRODUCT FOR RESOLVING PREREQUISITES FOR A CLIENT DEVICE IN AN OPEN SERVICE GATEWAY INITIATIVE (OSGi) FRAMEWORK

Abstract of the Invention

Under the present invention, prerequisites are first determined on a server for one or more OSGi bundles that are to be loaded on a client device. Once determined, the prerequisites are communicated to the client device. Upon receipt, the client device will determine whether it has/meets the prerequisites. If not, any prerequisites that the client device does not have represent resource limitations that are communicated back to the server in a response. The server will then recursively resolve the prerequisites by identifying a final set (e.g., one or more) of OSGi bundles that fulfill the prerequisites within the resource limitations of the client device. Once all prerequisites are resolved, the final set OSGi bundles can be loaded on the client device.